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TRW 2142

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application No.	09/752,643
Filing Date	December 29, 2000
First Named Inventor	Kris Fleming
Art Unit	2142
Examiner Name	Blair, Douglas B.
Total Number of Pages in This Submission	15
Attorney Docket Number	42390P9723

ENCLOSURES *(check all that apply)*

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☒ Amendment / Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
  - ☐ PTO/SB/08
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
  - ☐ Basic Filing Fee
  - ☐ Declaration/POA
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s)
  - ☐ Landscape Table on CD
- ☐ After Allowance Communication to TC
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) *(please identify below):*

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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Gordon R. Lindeen III, Reg. No. 33,192 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	June 7, 2007

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Typed or printed name	**Debbie Casias**		
Signature	Debbie Casias	Date	**June 7, 2007**

JUN 11 2007
PATENT & TRADEMARK OFFICE

Our Docket No: 42P9723 Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Kris Flemming	)	Examiner: Blair, Douglas B.
	)	
Application No: 09/752,643	)	Art Unit: 2142
	)	
Filed: December 29, 2000	)	
	)	
For: Method And Apparatus For Associating Virtual Communications Ports With Applications And Services On Bluetooth Enabled Devices	)	

RESPONSE TO OFFICE ACTION

Mail Stop Amendment
Commissioner for Patents
P.O Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed April 4, 2007, Applicants respectfully request the Examiner to enter the following amendment and to consider the following remark.

FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that I am causing the above-referenced correspondence to be deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and that this paper or fee has been addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313
Date of Deposit: June 7, 2007.
Name of Person Mailing Correspondence: Debbie Casias

Debbie Casias — June 7, 2007
Signature — Date

In the claims:

Following is a complete set of claims as amended with this Response.

1. -29. (Cancelled)

30. (Currently Amended) A method comprising:

receiving a service record at a first radio device from a second radio device through a virtual communications port, the service record including a service record handle to identify the service record, a service name to identify a service of the second radio device, and a virtual communications port associated with the service record;

maintaining a database of radio device service records containing a service name and an associated virtual communications port for each service record;

sending a connection request from the first radio device to the second radio device, the connection request including the service name to indicate the appropriate service, the connection request not including the associated virtual communication port; and

connecting to a first service for which a radio device service record exists in the database utilizing the service name of the first service to initiate the connection and not using the associated virtual communication port.

31. (Cancelled)

32. (Previously Presented) The method of Claim 30, wherein receiving a service record comprises receiving a service record from an advertising device.

33. (Previously Presented) The method of Claim 30, further comprising sending a query and wherein receiving a service record comprises receiving a service record in response to the query.

34. (Previously Presented) The method of Claim 33, wherein the query is sent utilizing a Bluetooth protocol SDP request and wherein the service record is received in the form of an SDP response.

35. (Canceled)

36. (Canceled)

37. (Currently Amended) The method of Claim 30 ~~Claim 36~~, further comprising connecting to a second service for which a radio device service record exists in the database utilizing the service name of the second service to initiate the connection.

38. (Currently Amended) An apparatus comprising:

means for receiving a service record at a first radio device from a second radio device, through a virtual communications port, the service record including a service record handle to identify the service record, a service name to identify a service of the second radio device ~~device;~~ , and a virtual communications port associated with the service record;

means for maintaining a database of radio device service records containing a service name and an associated virtual communications port for each service record;

means for sending a connection request from the first radio device to the second radio device, the connection request including the service name to indicate the appropriate service, the connection request not including the associated virtual communication port; and

means for connecting to a first service for which a radio device service record exists in the database utilizing the service name of the first service to initiate the connection and not using the associated virtual communication port.

39. (Previously Presented) The apparatus of Claim 38, further comprising means for sending a query and wherein the means for receiving a service record receives the service record in response to the query.

40. (Previously Presented) The apparatus of Claim 39, wherein:

the means for sending a query utilizes a Bluetooth protocol SDP request as the query; and

the means for receiving a service record is configured to receive a Bluetooth protocol SDP response.

41. (Currently Amended) A radio device comprising:

a processor;

a control hub coupled to the processor; and

an I/O interface coupled to the control hub;

wherein the processor, control hub, and I/O interface are collectively configured to:

receive a service record at the first radio device from a second radio device, through a virtual communications port, the service record including a service record handle to identify the service record, a service name to identify a service of the second radio device, and a virtual communications port associated with the service record;

maintain a database of radio device service records containing a service name and an associated virtual communications port for each service record;

send a connection request to the second radio device, the connection request including the service name to indicate the appropriate service, the connection request not including the associated virtual communication port; and

connect to a first service for which a radio device service record exists in the database utilizing the service name of the first service to initiate the connection and not using the associated virtual communication port.

42. (Previously Presented) The device of Claim 41, wherein the I/O interface includes a Bluetooth interface.

43. (Previously Presented) The system of Claim 41, wherein the processor, control hub, and I/O interface are, further configured to connect to each service for which a record exists in a set of received service records.

44. (Currently Amended) A tangible machine-readable medium having ~~embodying~~ instructions stored thereon, the instructions, when executed by a processor, causing the processor to perform a method, the method comprising:

receiving a service record at a first radio device from a second radio device through a virtual communications port, the service record including a service record handle to identify the service record, a service name to identify a service of the second radio device, and a virtual communications port associated with the service record;

maintaining a database of radio device service records containing a service name and an associated virtual communications port for each service record;

sending a connection request from the first radio device to the second radio device, the connection request including the service name to indicate the appropriate service, the connection request not including the associated virtual communication port; and

connecting to a first service for which a radio device service record exists in the database utilizing the service name of the first service to initiate the connection and not using the associated virtual communication port.

45. (Previously Presented) The machine-readable medium of Claim 44, further embodying instructions, the instructions, when executed by the processor, further causing the processor to perform sending a query and wherein receiving a service record comprises receiving a service record in response to the query.

46. (Previously Presented) The machine-readable medium of Claim 44, further embodying instructions, the instructions, when executed by the processor, further causing the processor to perform:

connecting to a second service for which a record exists in the set of service name records utilizing the service name of the second service to initiate connection.

47. (Currently Amended) A method comprising:

sending a service record to a first radio device from a second radio device through a virtual communications port, the service record including a service record handle to identify the service record, a service name to identify a service of the second radio device, and a virtual communications port associated with the service record;

maintaining a database of radio device service records containing a service name and an associated virtual communications port for each service record;

receiving a connection request from the first radio device at the second radio device, the connection request including the service name to indicate the appropriate service, the connection request not including the associated virtual communication port; and

connecting to a first service for which a radio device service record exists in the database utilizing the service name of the first service to initiate the connection and not using the associated virtual communication port.

48. (Cancelled)

49. (Previously Presented) The method of Claim 47, further comprising receiving a query, and wherein sending a service record comprises sending a service record in response to the query.

50. (Previously Presented) The method of Claim 49, wherein the query is received as a Bluetooth protocol SDP request and the service record is sent as an SDP response.

51. (Currently Amended) An apparatus comprising:

means for sending a service record to a first radio device from a second radio device through a virtual communications port, the service record including a service record handle to identify the service record, a service name to identify a service of the second radio device, and a virtual communications port associated with the service record;

means for maintaining a database of radio device service records containing a service name and an associated virtual communications port for each service record;

means for receiving a connection request from the first radio device at the second radio device, the connection request including the service name to indicate the appropriate service, the connection request not including the associated virtual communication port; and

means for connecting to a first service for which a radio device service record exists in the database utilizing the service name of the first service to initiate the connection and not using the associated virtual communication port.

52. (Previously Presented) The apparatus of Claim 51, further comprising:

means for connecting a first service of the available services to the first radio device based on the service name received from the first radio device.

53. (Currently Amended) A radio device comprising:

a processor;

a control hub coupled to the processor; and

an I/O interface coupled to the control hub;

wherein the processor, control hub, and I/O interface are collectively configured to:

send a service record to a second radio device through a virtual communications port, the service record including a service record handle to identify the service record, a service name to identify a service of the first radio device;

maintain a database of radio device service records containing a service name and an associated virtual communications port for each service record;

receive a connection request from the second radio device, the connection request including the service name to indicate the appropriate service, the connection request not including the associated virtual communication port; and

connect to a first service for which a radio device service record exists in the database utilizing the service name of the first service to initiate the connection and not using the associated virtual communication port.

54. (Previously Presented) The device of Claim 53, wherein the processor, control hub, and I/O interface are, further configured to connect a service of the available services to the second radio device based on the received service name.

55. (Currently Amended) An article comprising a tangible machine-readable medium having ~~embodying~~ instructions stored thereon, the instructions, when executed by a processor, causing the processor to perform a method, the method comprising:

sending a service record to a first radio device from a second radio device through a virtual communications port, the service record including a service record handle to identify the service record, a service name to identify a service of the second radio device, and a virtual communications port associated with the service record;

maintaining a database of radio device service records containing a service name and an associated virtual communications port for each service record;

receiving a connection request from the first radio device at the second radio device, the connection request including the service name to indicate the appropriate service, the connection request not including the associated virtual communication port; and

connecting to a first service for which a radio device service record exists in the database utilizing the service name of the first service to initiate the connection and not using the associated virtual communication port.

56. (Previously Presented) The article machine-readable medium of Claim 55, further embodying instructions, the instructions, when executed by a processor, further causing the processor to perform connecting a service to the second radio device based on the service name supplied by the second radio device.

57. (Previously Presented) The article machine-readable medium-of Claim 55, further embodying instructions, the instructions, when executed by a processor, further causing the processor to perform sending a virtual communications port with the service record, and wherein the connection request does not include the associated virtual communications port.

58. (Previously Presented) The method of Claim 30, wherein sending a connection request comprises sending the connection request without including an indication of the virtual communications port through which the service record was received.

59. (Previously Presented) The apparatus of Claim 38, wherein the means for sending a connection request comprises means for sending the connection request without including an indication of the virtual communications port through which the service record was received.

60. (Previously Presented) The device of Claim 41, wherein the connection request is sent without including an indication of the virtual communications port through which the service record was received.

61. (Previously Presented) The machine readable medium of Claim 44, wherein sending a connection request comprises sending the connection request without including an indication of the virtual communications port through which the service record was received.